


Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S75	1	"6233493".pn.	USPAT	OR	ON	2006/01/19 17:18
S74	0	"6233493".pn.	US-PGPUB	OR	ON	2006/01/19 17:18
S73	14	((product or item) with (definition or description) with (task or job)) and ((finish or complet\$) near date) and (resource or material) and (ability or skill) and schedul\$	US-PGPUB	OR	ON	2006/01/19 17:18
S72	529	(product or item) and ((finish or complet\$) near date) and (definition or description or instruction) and (task or job) and (resource or material) and (ability or skill) and schedul\$	US-PGPUB	OR	ON	2006/01/19 16:39


 1-20-06



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1-20-06

Jan 20, 2006

Rhythm I2 genetic algorithm

- ☆ <http://e-optimization.com/resources/amr/9805scsreport/9805scsrep...> - 10:00am
- ☆ <http://isg.uninova.pt/smart-fm/index.php?module=articles&func=di...> - 9:59am
- ☆ http://www.i2.com/web505/server_navigation/skeletons/i2_01/frame... - 2 visits - 9:58am
- ☆ [Manufacturing: Start With The Best, Then Build On It](#) - 2 visits - 9:58am
www.informationweek.com/596/96manuf.htm
- ☆ <http://www.camelotproductions.com/annuals/itwo/page6.htm> - 9:57am
- ☆ [Supply Chain Management: Mini Projects](#) - 2 visits - 9:57am
lcm.csa.iisc.ernet.in/scm/scm_projects.html
- ☆ <http://www.nd.edu/~dhartvig/krsite/sch-s.htm> - 2 visits - 9:57am

Rhythm I2 genetic

- ☆ [Manufacturing: Start With The Best, Then Build On It](#) - 2 visits - 8:01am
www.informationweek.com/596/96manuf.htm
- ☆ [ISR - June 1997 - AI Industry Shifts into High Gear](#) - 8:00am
www.lionhrtpub.com/ISR/ISR-6-97/coverstory.html

Jan 19, 2006

rhythm schedule I2 ability

- ☆ [Supply Chain Management \(SCM\)](#) - 5:36pm
www.olrnet.net/webaccess/whitepapers/SCM%20Whitepaper%2...
- ☆ [IM - September 1997 - News in Brief](#) - 5:36pm
www.lionhrtpub.com/IM/IMsubs/IM-9-97/News.html
- ☆ [Supply Chain Planning Optimization: Just the Facts](#) - 5:34pm
www.e-optimization.com/.../9805scsreport/9805scsstory1.htm

rhythm optimal schedule I2

- ☆ [Evolving Enterprise - Fall 1998: Feature Story](#) - 5:32pm
www.lionhrtpub.com/ee/ee-fall98/theory.html

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8	9	
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29	30	
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? b fulltext1, fulltext2

20jan06 11:08:01 User268077 Session D298.1
\$0.00 0.257 DialUnits FileHomeBase
\$0.00 Estimated cost FileHomeBase
\$0.06 TELNET
\$0.06 Estimated cost this search
\$0.06 Estimated total session cost 0.257 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 15:ABI/Inform(R) 1971-2006/Jan 19
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File 476:Financial Times Fulltext 1982-2006/Jan 21
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***File 610: File 610 now contains data from 3/99 forward.**
Archive data (1986-2/99) is available in File 810.
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(c) 2006 PR Newswire Association Inc
***File 613: File 613 now contains data from 5/99 forward.**
Archive data (1987-4/99) is available in File 813.
File 624:McGraw-Hill Publications 1985-2006/Jan 19
(c) 2006 McGraw-Hill Co. Inc
***File 624: Homeland Security & Defense and 9 Platt energy journals added**
Please see HELP NEWS624 for more
File 634:San Jose Mercury Jun 1985-2006/Jan 19
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File 636:Gale Group Newsletter DB(TM) 1987-2006/Jan 20
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(c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
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Dialog 1-20-06
JJ

Set	Items	Description
S1	0	(GENETIC (2N) ALGORITHM) AND ((PRODUCT OR ITEM OR PARTS) (S) (DEFINITION OR DESCRIPTION) (S) (TASK OR JOB)) AND ((FINISH OR COMPLET?) (2N) DATE) AND (RESOURCE OR MATERIAL?) AND (ABILITY OR SKILL) AND SCHEDUL?
S2	9	((PRODUCT OR ITEM OR PARTS) (S) (DEFINITION OR DESCRIPTION) (S) (TASK OR JOB)) AND ((FINISH OR COMPLET?) (2N) DATE) AND RESOURCE OR MATERIAL?) AND (ABILITY OR SKILL) AND SCHEDUL?
S3	200	(GENETIC (2N) ALGORITHM) AND (PRODUCTION OR MANUFACTURING) AND OPTIMIZATION AND SCHEDUL?
S4	7	S2 NOT PY>1999
S5	5	RD S4 (unique items)

? t s5/3,k/all

5/3,K/1 (Item 1 from file: 15)
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01379860 00-30847

Improving customer satisfaction through advanced scheduling
 Studebaker, David
 IIE Solutions v29n3 PP: 14-17 Mar 1997
 ISSN: 1085-1259 JRNL CODE: INE
 WORD COUNT: 2173

Improving customer satisfaction through advanced scheduling

...DESCRIPTORS: Production **scheduling** ;

ABSTRACT: With the advent of computer-based **scheduling** , it is easier to handle more complex **scheduling** algorithms, consider more factors, and network **schedules** more frequently. Even so, most of the computer-based **scheduling** tools available today are still limited. Better solutions continue to become available as computers become...

...developers build on the work of their predecessors. The key to creating and using a **schedule** successfully is having the **ability** to measure the activity and compare actual status against the plan. Given the critical nature...
 ...use of automatic identification/data collection technology is a necessity to make effective use of **schedules** . Improved data collection tools make the process of tracking the status of activities manageable. Four types of **scheduling** problems are common to manufacturing. These include problems **scheduling** production, employees, maintenance, and projects.

...TEXT: To deliver the goods on time every time, your organization must become an expert at **scheduling** .

Scheduling matches workload requirements to the available resources,

which both vary depending on what is being **scheduled** . The respective definitions lead us to choose a particular method or combination of methods of **scheduling** to address the problem at hand.

Computer-based **scheduling**

Before the arrival of computers, **scheduling** methods had to be simple. Too many factors made the **scheduling** process impossible. Not only that, but the process of manually tracking performance against a **schedule** was cumbersome and error prone. As a result, simplified approaches evolved for **scheduling** production, employees, maintenance, and projects. With the advent of computer-based **scheduling** , it is easier to handle more complex **scheduling** algorithms, consider more factors, and rework **schedules** more frequently. Even so, most of the computer-based **scheduling** tools available today are still limited. Better solutions continue to become available as computers become...

...developers build on the work of their predecessors.

The key to creating and using a **schedule** successfully is having the **ability** to measure the activity and compare actual status against the plan. Given the critical nature...

...identification/data collection technology is a necessity in order to make effective use of **schedules** . Improved data collection tools make the process of tracking the status of activities manageable.

Four types of **scheduling** problems are common to manufacturing. These include problems **scheduling** production, employees, maintenance, and projects.

Production **scheduling**

Production **scheduling** focuses on planning for production work orders. This means planning for goods to be manufactured...

...the fewest resources;

to maximize the efficiency of the manufacturing operation;

to bring in raw **material** or purchased parts when needed, minimizing inventory and **material** storage space; and

to get the manufactured goods ready to ship just in time reducing...

...space required for finished goods and minimizing possible damage or loss to finished goods.

Production **scheduling** deals with identifying and controlling the

unexpected, while minimizing problems. Production **schedules** are created in one of two ways: finite capacity **scheduling** and infinite capacity **scheduling** . Each of these approaches also contains the variations of forward **scheduling** and backward **scheduling** .

Infinite capacity **scheduling** works well when the **resource** quantities are flexible and (:an be expanded and contracted or reallocated as needed.
This approach...

...be done (e.g., processing ripe fruit at harvest). The more complex method is to **schedule** the workload based on the target date, but to constrain the **schedule** by the actual available capacity to do work (i.e., based on a finite capacity).

Finite capacity **scheduling** is appropriate for use in manufacturing and other capital equipment-intensive environments. In other words...

...be based on the capacity that is available.

In either example, the variation of backward **scheduling** is used. Backward **scheduling** starts with the date the job needs to be completed and works back from there. Forward **scheduling** begins with the first date a job can start and plans when the job can get done. Since most work in manufacturing is planned based on the due date, backward **scheduling** is used more frequently. A complete computer-based manufacturing **scheduling** system uses all four of these **scheduling** techniques, with some additional variations.

Production **schedules** need to be kept current. The data on what has been accomplished should be collected...

...making corrective adjustments to the plan. These adjustments need to be fed back into the **schedule** , so that subsequent measurements and actions are made on the basis of the revised **schedule** . Work-in-process data collection software is an appropriate tool to help with tracking.

Use of the computer to aid the **scheduling** process also enables you to take into account a variety of important factors. However, most **scheduling** software is limited in the extent to which it addresses the interaction of these factors...

...and other auxiliary operations.

It should be able to integrate the availability of requirements for **material** as well as tooling. Most current systems don't handle these last two well. Because each additional factor that is considered in the process of creating a **schedule** increases the software design complexity and makes the human interface more complex, most **scheduling** software can consider only the following factors: due date, quantity of work to be completed, production capacity, and sequence of operations (including overlap of operations). When the **scheduling** software creates **schedules** using algorithms similar to those done manually, each additional factor considered significantly increases the computer processing time. As computer power becomes less expensive and as the need for improved **scheduling** capabilities is recognized, you should expect significant improvements in these **scheduling** tools. Even at this point, computer **scheduling** allows for recalculation of the **schedules** on a frequent basis, thus keeping them current. Of course, keeping track of the changes ...to what was planned. With this knowledge, you can react to changes quickly.

Employee work **schedules**

The primary goal of employee **scheduling** is to have the right number of people available at the right time. While it is important to minimize payroll costs, it is important also to provide predictable, stable work **schedules** for employees, because that will keep morale up and turnover down.

An employee **scheduling** process, therefore, must deal with planned time off, unscheduled time off, general holidays, and personal holidays. The **schedule** must take into account skills, job grades, pay rates, and personal preferences. It should maximize...
...account for positions that require 100 percent coverage or demand on-call staff.

Employee work **schedules** in most manufacturing operations are fairly static. This simplifies the **scheduling** process considerably. This will change if flextime becomes more widespread. Employee work **schedules** for organizations such as airlines, hospitals, and large retail operations are much more complex.

In a manufacturing operation, **scheduling** is most complex when there is a major change in the operation such as adding...

...setting up a new production line, or downsizing. Even so, there is a need for **scheduling** software to help plan (and minimize) overtime and vacation replacements, and juggle staff assignments to compensate for

unexpected absences. The manufacturing operation can benefit significantly from quality employee **scheduling** software.

In the majority of cases, employee work **scheduling** is limited to using available staff, so these are finite capacity **schedules**. On the same basis, the typical employee **schedule** is done in a forward **scheduling** manner. In the case of creating a new operation, infinite capacity **scheduling** is used to define the number of people required to fill all the jobs. Backward **scheduling** is used if meeting a deadline is the priority; forward **scheduling** is used if the priority is cost effectiveness of the **schedule**. Time and attendance software is the logical tool for collecting and reporting data for comparison to the work **schedule**. Again, measurement against the plan is necessary in order to ensure success.

Most organizations with more than 100 employees benefit from using an employee **scheduling** tool. Because payroll is one of the largest costs in many organizations, a relatively minor improvement in employee **scheduling** can provide a significant return on investment. In this case as well, it is appropriate to measure what you are trying to control. The measurement of employee **schedules** is most easily done through a time and attendance system.

This will have the most...

...other corporate information systems. This not only allows for easier comparison of employees' actual work **schedules** against planned **schedules**, but it also addresses the functions of payroll preparation and production labor analysis.

Equipment maintenance **scheduling** Another type of **scheduling** that is important to manufacturing operations is the **scheduling** of preventive maintenance, principally for capital equipment.

Preventive maintenance is **scheduled** in order to minimize unscheduled maintenance. Not only is planned maintenance better than unplanned maintenance, when equipment breaks, additional damage often occurs.

Maintenance **scheduling** constraints typically include fitting the workload to a fixed staff of maintenance workers-finite capacity **scheduling**. Maintenance **scheduling** involves multiple levels, from the simple replacement of consumables, such as seals and gaskets, to the complete breakdown and rebuilding of equipment. Maintenance must be **scheduled** to take equipment out of service when it is not **scheduled** for production use, or when production work can most easily be delayed. Maintenance

schedules are based on inspection and recommendations provided by the equipment manufacturer and then adjusted based...

...production quantities and the environment in which the equipment is being used.

Most equipment maintenance **scheduling** software is relatively simple to use. Because the **schedules** are related to events, the use of forward or backward **scheduling** does not apply here except when the maintenance task involves a major planned refurbishing project. Maintenance **scheduling** software is sophisticated in its **ability** to track and control maintenance costs, minimize the negative effects of maintenance on production operations, and minimize overall manufacturing costs. Maintenance **scheduling** software is often self-contained in terms of measurement. The details of the maintenance activities...

...recorded using Auto ID-enabled employee IDs, machine IDs, and activity menus in the maintenance **scheduling** system. This allows both tracking of current performance and subsequent planning of the next round of maintenance to be **scheduled**. Use of a work-in-process data collection system can provide control, cost, and historical data that is helpful in managing the maintenance function.

Project **scheduling**

Project **scheduling** is as much the **task** of creating a plan of what is to be accomplished as it is the **definition** of a time-phased **schedule**. The project **schedule** is the roadmap of the activities for all of the steps in the project. The quality of the project **schedule** and plan can make the difference between success and failure. In a manufacturing operation, project **schedules** are always a factor in the engineering department, whether the project is the development of a new **product** or the design of tooling for a new piece of production equipment. Project **schedules** are also part of the process of changing existing production work centers, departments, and plants, or setting up new ones.

Project **schedules** are viewed from the point of the calendar, the **scheduled** resources, the project budget, and project status. Large projects are broken into subprojects and then **scheduled** both at the subproject and project levels. Project data is recorded and detailed in a ...status reporting is meaningful and provides project managers with the

proper degree of control.

Project **schedules** revolve around the key resources of the available people and budget. Projects are **scheduled** using forward **scheduling** . If the project is dependent on existing staff, then finite **scheduling** is appropriate, but if the project staff is to be assigned based on attaining a desired **completion date** , then backward **scheduling** with infinite capacity **scheduling** is used.

Keeping promises

While there are many kinds of **scheduling** , the basic underlying principles are similar. The goal is to match the workload to the...

...understand, but good computer software can help to make the calculations necessary to create a **schedule** . Also, the best available tools should be used to collect data on the project. Although we often face crisis situations in manufacturing, by developing and maintaining accurate **schedules** , we can keep the promises we make to our customers.

Author Affiliation:

David Studebaker is...

5/3,K/2 (Item 2 from file: 15)

DIALOG(R) File 15:ABI/Inform(R)

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00825454 94-74846

A guide to computer implementation

Spivak, Wayne

CPA Journal v64n2 PP: 46-51 Feb 1994

ISSN: 0732-8435 JRNL CODE: CPA

WORD COUNT: 4305

...ABSTRACT: One of the most important factors in choosing a high-end accounting system is the **ability** of the client company to obtain source

code, the original text of the program. One...

...TEXT: secondary objectives, requires an operational time frame. Each objective and/or milestone must have a **completion date** , which may or

may not affect the performance of the next objective, milestone, or task...

...information system. As the company implements new techniques in production and inventory control, (e.g., **material** requirements planning or manufacturing resources planning), more and more departments will want to interact with...

...outside agent productivity.

Manufacturing and distribution must maintain inventory, order processing, purchase orders, bills of **materials** , and shop floor control. They should also utilize **material** requirements planning and master **scheduling** to plan purchasing of **material** to maximize inventory turnover and increase the capacity of the facility.

The last part of...

...of their project.

PARTICIPANTS, RESOURCES AND COSTS. It now becomes necessary to appoint an initial **resource** group whose job it will be to:

- * Determine the exact specifications of the objectives and...

...and software vendors, maintenance companies, electricians, cable installers, trainers. etc. must be found.

Another major **resource** that needs addressing is the current manual systems and files. These files and/or systems...defined.

One of the most important factors in choosing high-end accounting system is the **ability** of the client company to obtain source code, the original text of the program. This...

...unavailable, making modifications impossible. Some low-end systems have built in report generators and the **ability** to import and export data and graphs.

Low-end systems are limited by the number...

...process. Also some low-end systems can not be networked. They do not possess the **ability** to have file and record locking that prohibits other users ...maintenance time.

The easier and simpler you make inventory number schemes, customer numbers, bills of **materials** , while still keeping control, the simpler it will be to maintain your data base. Data...IMPLEMENTING THE MODULES

The first full module that should be implemented is inventory. A major **task** in this area is the development of a numbering system for each component of inventory. Another area of concern is the development of appropriate **item** **description** files.

Once the inventory file is created, including all raw goods, work in process, and finished goods, attention should be directed to the bill-of-
material module. The last step before starting the bill of **material** is to load the inventory quantities (preferably based on a physical count) at the beginning...

...in the production area of the company are working on the inventory and bill of **materials** system, the accounting and sales department team members should start on the accounts receivable modules...

...These entries will have been double checked and verified. Verification is always done against source **material** and existing journals and reports from the test month. The last action to complete the...of each phase

TABLE 2 ORDER OF IMPLEMENTATION

Chart of Accounts

Inventory System

Bill of **Materials**

Accounts Receivable

Custom Order

Processing Accounts

Payable Purchase

Ordering

General Ledger

Payroll

Material Requirements Planning

Shop Floor Control

Job Costing

Other Manufacturing Modules

5/3,K/3 (Item 3 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00790572 94-39964

Personal information managers for Windows

Marshall, Patrick; Marcus, Ann

InfoWorld v15n48 PP: 72-88 Nov 29, 1993
ISSN: 0199-6649 JRNL CODE: IFW
WORD COUNT: 20112

...DESCRIPTORS: **Scheduling** ;

...ABSTRACT: straight out of the box it offers the most powerful set of contact management and **scheduling** tools, along with the most attractive interface of the top-scoring PIMs. ...

...TEXT: Most of today's PIMs are now also available in network versions and provide group **scheduling** tools, an important consideration for the increasing numbers of networked offices, large and small.

We...

...users--not counting the Tools and Utilities program. The multiplicity of notepads, task lists, and **schedulers** is moderately well integrated with the program's phone books, and each is very attractively designed.

Taken together, Ascend's modules offer strong tools for **scheduling** appointments and tracking contacts. With the new contact history tools, the program is stronger than...

...s Ecco follows the metaphor of an outliner. Whether you're using its phone book, **scheduler**, or task list, all items are actually outline headings and can contain subheadings of notes...not entirely forsaken the graphic metaphors that PIM users are accustomed to. The program's **scheduler** features time lines and very attractive weekly and monthly views. The phone book is presented...

...Windows competitors, but it has retained the DOS version's admirable simplicity.

A phone book, **scheduler**, task list, and notepad are Instant Recall's main modules, and all are jointly accessible...

...added value for people who are already using Lotus cc:Mail; Organizer users get group **scheduling** and messaging capabilities at no additional cost.

PACKRAT 5.011.

Polaris Software Inc.'s PackRat...and archive operations on data. We also checked each program for its network and group **scheduling** support, and we noted the amount of Windows system resources required by the programs.

To...

...exceptional customization tools, imposed relatively small demands on system resources, and provided remote data reconciliation.

SCHEDULING :

We put each program in the comparison through a series of typical **scheduling** tasks and noted how easily the programs performed each task.

First, we set one 2...

...and/or archiving.

To receive a satisfactory score, the program had to perform the basic **scheduling** tasks of setting an appointment, attaching alarms and notes, and searching for existing appointments. Programs that demonstrated unusual ease of use--for example, through drag-and-drop **scheduling**--earned higher scores, as did those that completed the other subtasks, such as archiving, or...

...due date. We also checked how well the program integrated the task list with the **schedule**, noting in particular whether both tasks and **schedule** items could be viewed simultaneously and whether items could be moved easily from one to...

...attach notes. Additional features, such as sorting and archiving capabilities and strong integration with the **schedule**, earned a program extra points.

CONTACT MANAGEMENT:

This task--the central one for most PIM...

...state, and phone number.

We checked the phone book's integration with the program's **scheduler** in three ways: 1. We attempted to set appointments with contacts directly from their phone...

...call up a contact's phone book data directly from a linked appointment in the **scheduler**; and 3. we attempted to generate a report of all appointments, tasks, and phone log...

...and strong ease of use earned higher scores.

REPORTING:

This task examined each program's **ability** to format and print reports.
First, we loaded our daily calendar and printed in the...satisfactory,
we
required each program to let users print daily and weekly calendars for individual **schedules** , as well as provide some means of printing data in
other program modules, including the...

...to load selected databases. Each installation of Ascend can display only
a single phone book, **schedule** , and task list.

But Ascend benefits from its nice utility for backing up the database...

...To enter all the information required significant editing of the ASCII
file to get the **material** into the proper order. (Jensen-Jones technical
support also suggests combining fields after import using...

...and restore utility, and you can easily construct a macro to perform automatic backups at **scheduled** times. The backup ...last names.

DeskTop Set can also import data from Windows' Calendar, Lotus Organizer,
and Microsoft **Schedule** +. And, with the proper interface equipment, you
can send **schedule** information to three palmtop computers: the HP95LX, the
Sharp Wizard, and the Casio BOSS.

The...

...to only about 30 percent of their original size. There is, however, no
way to **schedule** unattended data backups.

On the minus side of the ledger, DeskTop Set chews up Windows...

...however, the program's data handling is not.

Each of Ecco's modules--phone book, **scheduler** , and outliner--is fundamentally an outline, and you can add new headings, or "folders," to...

...example, create a form that will add the item you're entering to the daily **schedule** (and you can specify the item's date), to a project's outline, and to...database on your office computer. If your secretary has
also made changes to your office **schedule** in your absence, the
program
gives you the option of maintaining both your entries and...

...using IntelliLink format.

Chronologic also offers a network version of Instant Recall that has group **scheduling** capabilities. The program can be run on any Windows-compatible network. Finally, Instant Recall is...database as you make it.

Version 1.1 of Organizer now offers support for group **scheduling** on a network, but these features only work if you're running Lotus' cc:Mail...

...need to do a particular task) in addition to the phone book, phone log, daily **schedule**, and other folders that come preconstructed. When you construct a new folder, you select from and robust **scheduling** tools, although there are a few surprising problems with the way the **scheduling** tools are put together. First, the daily **schedule** is completely separate from the program's new weekly and monthly views.

The navigating calendar...

...other frequently used functions.

Once you have the date you want displayed in the daily **schedule**, setting an appointment is as simple as clicking in the time slot you want and...

...of blocks the a appointment should occupy.

Ascend doesn't let you attach files to **schedule** items, but it does something better: You can use Object Linking and Embedding (OLE) to...

...does not let you know that the conflict exists until you actually call up the **schedule** of the day that contains the conflict. Setting appointments from within Contact Management is the...

...list and you will go directly to that time slot in the appropriate day's **schedule**. Clicking once gives you a brief description of the appointment.

Rescheduling test appointments is simply...

...daily time bar below the calendar.

Ascend had significant trouble with the remainder of our **scheduling** tests. First, although the program lets you to set multiday appointments--for such events as...

...to call up conflict notices when you move to that day.

Ascend's most critical **scheduling** weakness is that the program does not notify the user if an alarm has passed...

...turned off or Ascend was inactive.

COMMENCE.

Jensen-Jones Inc.'s Commence can handle basic **scheduling** tasks easily, although there are a few important gaps in the program's **scheduling** toolset.

Entering an appointment in the daily **schedule** is simple. Either clicking on the plus sign in the toolbar or double-clicking on the time slot itself will summon the appointment detail form. You can also **schedule** an appointment by dragging text from another one of the program's modules into the...

...from eight different types.

Commence offers a very attractive set of calendar views: a daily **schedule**; weekly, monthly, and yearly views; and a database-like listing of appointments. Attaching an alarm...

...through specifying the interval of recurrence.

If you have Commence set to check for group **scheduling** conflicts, it cannot also check for time conflicts in your own **schedule**.

There are two basic ways to search for appointments in Commence. First, you can search...PIM, and more fun too.

A double-click in any time slot of the daily **schedule** brings up one of the slickest **scheduling** windows you'll ever see. A time line runs along the top of the dialog...

...you can attach external files to the address book, you cannot do the same with **schedule** items.

And for all of DeskTop Set's graphic excellence, the **scheduler**'s day view is rather drab.

DeskTop Set does let you create recurring appointments, though...

...date range of appointments and then deleting and archiving them.

In sum, DeskTop Set's **scheduling** tools are both powerful and fun. The program is held back from a higher score...

...recurring appointment conflicts with other appointments.

ECCO PROFESSIONAL.

Arabesque Software's Ecco has a daily **schedule** view that displays a time-delineated view of your **schedule** , with a time bar to the left showing the duration of each appointment. The appointment...

...This means that you can see a color-blocked view of your entire day's **schedule** in a constant format, but it also means that a particular appointment's duration may...

...at a glance.

To-dos, or "ticklers," are displayed in a panel above the daily **schedule** . The tickler panel has the same look and feel as the **scheduler** , with the main distinction being that the tickler panel is tinted yellow. You can create an outline beneath each **schedule** or tickler item.

In contrast to the daily **schedule** 's rather plain design, Ecco's new graphic weekly and monthly displays are so slick, most users will wish the same graphic brush had been applied to the daily **schedule** .

Entering appointments in the daily **schedule** is very easy. Just click in the appropriate time slot and enter a description. To... mouse at the time of the appointment. When you click, Ecco pops up a nifty **schedule** utility that lets you change an appointment's date or time, include it in the...

...the user of any overlaps.

Whenever you need to locate an item--whether in the **scheduler** in any other module--click on Edit/Find to bring up Ecco's nifty little...

...By default, the program will search only the currently active view--the phone book, the **schedule** , or an outline. Finally, you can also ...a specific archiving tool.

Ecco Professional's folders and columns are not as effective with **scheduling** information as with tracking tasks and contact-related information, but you can use them or...

...they went to college.

Although Arabesque Software needs to do some work on the daily **schedule** 's interface, the program provides very strong and easy-to-use **scheduling** tools.
INSTANT RECALL.

Instant Recall, from Chronologic Corp., offers three major **schedule** views, each of which is cleanly and effectively designed: daily, weekly, and monthly.

It also has a nifty **Schedule** view that displays a seven-day time line clearly blocked in. Click on a time...

...to-understand choices.

And Instant Recall does a good job of notifying the user about **schedule** conflicts, even for future instances of recurring appointments.

Searching for appointments is also easy; when...

...appointments older than 60 days.

In sum, Instant Recall does a fine job of basic **scheduling**, and its display of upcoming and overdue **schedule** and task items is particularly noteworthy. The program is, however, somewhat handicapped by its inability

...TimeTracker.

But for all of Organizer's slick sliding time bars for setting appointments, the **schedule** is itself rather dowdy. You can choose between two-day, seven-day, work-week, and...

...projects.

The planner doesn't by default show items you have entered in your daily **schedule**, although you can set the program to do so.

Although Organizer earns some extra points...

...contact entries or milestones.

PACKRAT.

Polaris Software Inc.'s PackRat offers a strong set of **scheduling** tools that are well implemented. PackRat's toolkit, however, has a few glaring weaknesses.

Most users will work primarily with the daily **schedule**, which is summoned by clicking on the Agenda tab. The Agenda folder that is installed will differ depending upon your configuration choices during installation; it can provide a daily **schedule** panel, two monthly navigation calendars, a Commitments window that displays a weekly time line, and...

...s detail screen, and PackRat's alarms will be triggered upon booting up if their **scheduled** time has passed while the program was not active.

PackRat does not allow you to...

...to items.

On the plus side, PackRat makes setting recurring appointments very easy.

Searching for **schedule** items is somewhat more awkward than it should be.

You have to resort to the...

...relatively simple to reschedule a task. But because you're no longer in the day **schedule** view, you can't do your rescheduling by drag and drop.

The often difficult task...

...can also record a script that can automate this process. In short, although PackRat's **scheduling** tools are generally powerful, performing simple tasks is often tougher than it should be. Though...

...score is further held down by its inability to attach files and OLE objects to **schedule** items.

ASCEND.

Ascend's Prioritized Daily Task List is the program's main task-tracking...

...by clicking on the Priority hot button. Task notes are identical to those in the **scheduler**, and you can attach OLE objects to any note.

The Task List also provides columns...You can, of course, pop up the Task List and display it alongside the daily **schedule**, but you cannot configure the program to automatically display tasks along with appointments.

And there...

...longer term tasks--tasks to which you may not even want to attach a firm

completion date .
COMMENCE.

Commence offers very powerful task management tools. The To-do detail screen includes room...

...using the File/Export option's Archive setting in the same way you do with **schedule** items.

Commence handled our sorting tasks without breaking a sweat. In fact, you can sort...

...exactly the data you want to see.

DESKTOP SET.

DeskTop Set lets you maintain multiple **task** lists of up to 38 entries each. To create a to-do **item** , you just click in the **description** field and name the **task** . By double-clicking in the field to the right of the **description** , you will summon a pop-up calendar for setting a due date.

You can also...

...objects. And you can assign alarms to tickler items, just like appointments.

Ecco's default **schedule** view provides a column for tracking priorities for tasks, and you can sort the entire...Task List object from the To-do folder is by default displayed alongside the daily **schedule** in the Agenda folder. Entering a new to-do is accomplished by clicking on the...

...access Ascend's strong contact management capabilities via the Phone and Address module. Like the **scheduler** , however, the phone book is afflicted with a set of unintuitive icons that will often...

...about your contacts.

Phone book records also have the same powerful notetaking capabilities as the **scheduler** . You can enter an unlimited amount of text, as well as attach Object Linking and...The only sort is by last name.

The phone book is nicely integrated with the **schedule** and task modules, though the linking of items between the modules must be performed manually

...

...s not quite as easy as dragging and dropping a phone book entry on the **schedule** , but it does the job.

Conversely, any items you have manually linked to a phone...

...appointment with a person simply by dragging the name from the phone book to the **schedule** .

Commence also integrates well with outside applications. Commence offers

Dynamic Data Exchange (DDE) links to...by any data field--such as company

or phone number--and makes drag-and-drop **scheduling** from the phone book

easy. You can click on an icon in the toolbar to tile the **scheduler** and

the phone book and then drag the phone book entry to the time slot...

...with to-dos.

You can summon the contact's phone book data directly from the **scheduler** or tickler list if the item was created using drag and drop from the phone ...defined categories.

The phone book is partially, though not fully, integrated with Instant Recall's **scheduler**. You can drag a name directly from the phone book to a time slot in...

...Organizer does not let you drag and drop names from the phone book to the **schedule** to make an appointment with a person. Indeed, Organizer does not even let you view the **scheduler** and the phone book at the same time. Once you've made an appointment, however, you can manually create a link between the **schedule** item and the phone book entry.

The program provides two methods for moving contact ...both very strong, though the integration of each module with the other and with the **scheduler** and task list leaves something to be desired.

Our installation of PackRat offers a phone...

...with the same powerful tools as the phone book, including query-by-field and the **ability** to sort on multiple fields. And the log is the one instance of tight integration...reports. The only control over data is specifying a date range for records in the **scheduler** or specifying the record numbers in the address book. To print a single day's **schedule** or an entire month of appointments, however, you must specify a date range (for either... of formats for each of the program's folders. The list of report options for **schedules**, for example, is 18 entries long. The program includes daily, weekly, and monthly views of...handling large amounts of text data of any of the programs we examined, and its **scheduling** and contact management tools are very competitive.

INSTANT RECALL.

Instant Recall is far from being...

...you're using Notes or cc:Mail and can take advantage of Organizer's group **scheduling** and messaging capabilities, you can certainly find more

PIM power per dollar elsewhere.

PACKRAT.

With for the money, with its attractive interface, flexible **scheduling** and phone book tools, and its telephone log. And the program's new customizing tools...

...Jones' Commence has a formidable set of ready-to-go PIM modules, including a strong **scheduler**, phone book, and task list. The program's really strong suit, however, is its customizability...

...users a different metaphor for managing information: the outline. The phone book, task list, and **scheduler** are each based on an outline structure; you can expand and contract information under headings...

...straight out of the box it offers the most powerful set of contact management and **scheduling** tools, along with the most attractive interface of the top-scoring PIMs. And, if PackRat...

...of the available programs. The program's point-and-click interface makes appointments easier to **schedule** than any other program, and its customizable report formats and strong telephone tools are other...

...Recall is unusual in that each item in any of its modules--a phone book, **scheduler**, task list, and notepad--can be assigned to user-defined people and categories. That gives...

...The program is not very customizable, however, and has some critical gaps, especially in its **scheduling** module.

Don't be fooled by Lotus Organizer's relatively low score. Organizer is a
...

5/3,K/4 (Item 4 from file: 15)
DIALOG(R) File 15:ABI/Inform(R)
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00772716 94-22108
The pen-based computer: A new tool for project site data collection
Ellis, Ralph D
American Association of Cost Engineers Transactions PP: C.6.1-C.6.5
1993
ISSN: 0065-7158 JRNL CODE: AEE
WORD COUNT: 1898

...TEXT: collection process must be maintained throughout the entire project duration. This field data may include **schedule** updates, **material**

inventories, labor and equipment time sheets, inspection, and testing reports. Effective project management is largely...

...code reader has been perhaps the most successful [1]. Early applications have focussed primarily on **material** management [3,4]. Voice recognition systems also have been tried. These devices allow voice entry...

...a variety of input objects. (Figure 1 omitted) Another practical feature is the software's **ability** to record graphic data. Signatures may be recorded and later reproduced as a graphic image...

...scrolled search through the report list. Figure 3 provides an example of how a daily **job** report form can be laid out on the pen-based computer screen. (Figure 3 omitted) Project-specific information, such as the contract number, contractor, and pay **item** lists, are pre-loaded into the application prior to giving the computer to the field user. In this case, the user selects the appropriate pay **item** by scrolling through a list. The selected **item** number and **description** is automatically posted to the form where the user prints in the quantity **completed** to **date**. The inspector's signature is recorded and saved as a graphic image.

FIELD TESTING

Following...

...captured, is in a form which facilitates computerized information management.

The construction industry needs the **ability** to acquire timely and accurate project site data. The pen-based computer is a tool...

5/3,K/5 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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06477247 SUPPLIER NUMBER: 13885138 (USE FORMAT 7 OR 9 FOR FULL TEXT)

The next step: an integrated approach to computer documentation.
(software development and documentation)

Conklin, James
Technical Communication, v40, n1, p89(8)
Feb, 1993

ISSN: 0049-3155 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT;
ABSTRACT
WORD COUNT: 5054 LINE COUNT: 00403

... engineer enlisted my assistance with a new project. Our company provided computer products for the **material** -handling industry, and one of our most successful products was a Sortation Control System for...

...for stores. For example, a warehouse serving 50 stores would have a sorter that dropped **material** in 50 places; somebody would then package these orders and ship them to the stores...not by writers.

A technical communicator who is involved early in the design of a **product**, and whose **job** is to write the early functional specifications, will have to ask questions of the technical...

...as issues are resolved and as ideas move to fruition, the communicator will put the **product** on paper in clear, readable prose. If a good writer is unable to write a simple, clear **description** of the **product** and its use, chances are the **product** is neither simple nor clear; and hence the problems the writer is having are clear...

...only when their function is directly called into play. Since documentation is produced near the **completion date**, the technical writer is automatically consigned to the tail-end of the project.

Others (Washington...project. A well-written Requirements Definition can shave months off of the technical communicator's **schedule** in the later stages of the project.

This notion of the paper trail deserves emphasis...his wants and the features of a system or program. In fact, the company's **ability** to help the customer arrive at that perception determines the success or failure of the...

...user's requirements, the project team goes on to produce a design specification of the **product**. Once again, this stage of the project can

be seen as essentially a communication **task**. The project team works out

its response to the user's needs as stated in the Requirements Definition

. This response will have to be written down and communicated back to the

users. The outcome of this stage, then, is a design document that serves as

a broad, comprehensive **definition** of the **product**.

During the requirements stage, the communication flow moves from the users to the project team...

...Aside from describing the product and its use, this document might

also
include a development **schedule** , along with plans for training, beta
testing, and final distribution.

In fact, a portion of...

?